



Translation



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference 2002P09336WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416							
International application No.	International filing date (day/month/year) Priority date (day/month/year)							
PCT/DE2003/003285	02 October 2003 (02.10.2003) 09 October 2002 (09.10.2002)							
International Patent Classification (IPC) or n H04L 29/06								
Applicant								
S	SIEMENS AKTIENGESELLSCHAFT							
1. This international preliminary examples Authority and distransmitted to the a	mination report has been prepared by this International Breliminary Examining applicant according to Article 36.							
2. This REPORT consists of a total of 5 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indications relat	ting to the following items:							
I Basis of the report								
II Priority	II Priority							
III Non-establishment	t of opinion with regard to novelty, inventive step and industrial applicability							
IV Lack of unity of in								
V Reasoned statemen citations and explan	nt under Article 35(2) with regard to novelty, inventive step or industrial applicability; nations supporting such statement							
VI Certain documents	cited							
VII Certain defects in the	the international application							
VIII Certain observation	ns on the international application							
Date of submission of the demand Date of completion of this report								
04 May 2004 (04.05.20								
Name and mailing address of the IPEA/EP	Authorized officer							
Facsimile No.	Telephone No.							





I. Basis	s of th	ne report						
1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):								
		the international	l application as originally f	filed.				
	\boxtimes	the description,	pages1-9	, as originally filed,				
			pages	, filed with the demand,				
				, filed with the letter of,				
			pages	, filed with the letter of				
	\boxtimes	the claims,	Nos. 1-15	, as originally filed,				
	_			, as amended under Article 19,				
				, filed with the demand,				
			Nos	, filed with the letter of,				
	•			, filed with the letter of				
İ	\boxtimes	the drawings,		, as originally filed,				
İ	-			, filed with the demand,				
i				, filed with the letter of,				
				, filed with the letter of				
2. The a	amend	ments have resulte	ed in the cancellation of:					
			pages					
i			Nos.					
		•		· 				
	-							
3.	This to go	report has been es	stablished as if (some of) the	he amendments had not been made, since they have been considered				
	W 5.	Deyona me ander-	isure as meet, as mulcane.	in the Supplemental Box (Rule 70.2(c)).				
4. Addit	tional c	observations, if ne		•				
			•					
		•						
		•						

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NO

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1.	Statement							
	Novelty (N)	Claims	4, 5, 9, 13, 15	YES				
		Claims	1-3, 6-8, 10-12, 14	NO .				
	Inventive step (IS)	Claims		YES				
		Claims	1-15	NO				
	Industrial applicability (IA)	Claims	1-15	VEC				

- 2. Citations and explanations
 - 1. Reference is made to the following documents:

Claims

D1: US-A-6 023 724 (BHATIA RAJIV ET AL) 8 February 2000 (2000-02-08)

D2: US-B1-6 282 660 (WATTS ROBERT F ET AL)
28 August 2001 (2001-08-28)

D3: BRYCE J Y: "OPTIMIZING ISDN TO GIVE MORE CAPACITY AT LESS COST", ANNUAL REVIEW OF COMMUNICATIONS, NATIONAL ENGINEERING CONSORTIUM, CHICAGO, IL, US, vol. 51, 1998, pages 379-388, XP000793145 ISSN: 0886-229X.

The subject matter of independent claim 10 lacks novelty (PCT Article 33(2)).

Document D1 discloses the following features of claim 10 (the references between parentheses relate to said document):

a method for controlling an authentication procedure in a telecommunications network, said method comprising the following steps:

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- monitoring data traffic on an external data transmission interface and/or monitoring data traffic destined for the external data transmission interface on an internal data transmission interface of a subscriber connection device for connecting a user region to a switching centre (column 11, lines 26-34),
- the external data transmission interface comprising at least one physical data transmission channel as well as an authentication channel (column 11, lines 24-26; column 20, lines 6-18), and
- controlling logon and logoff operations in the authentication channel, as a function of the monitored data traffic (column 11, lines 35-37).
- 3. The features of claim 10 are also disclosed in each of documents D2 (for example column 6, lines 14-26; figure 4) and D3 (e.g. page 381, right-hand column, final paragraph; page 383; left-hand column, penultimate paragraph).

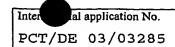
Monitoring data traffic (for example displaying data traffic by means of a light diode) when a user region is connected via a data transmission interface to a switching centre and logging off in the authentication channel dependent on the monitored data traffic (for example shutdown after a period of inactivity) are likewise known to a person skilled in the art.

- 4. Should novelty be the subject of contention on the basis of minor differences of interpretation, the applicant is advised that the subject matter of independent claim 10 does not involve an inventive step (PCT Article 33(3)).
- 5. The above observations also apply in respect of the subject matter of independent claim 1, which concerns structural features corresponding to the subject matter of claim 10.
- of. Dependent claims 2-9 and 11-15 contain no features which, combined with the features of any claim to which they refer, meet the PCT requirements for novelty and/or inventive step. The features are either disclosed in D1 (for example "the control unit monitors the data traffic in a specific time window"), D4 (for example "the data transmission interface implements a data transmission in accordance with ITU standard G.992.1") or are obvious to a person skilled in the art (for example "the subscriber connection device comprises an xDSL modem" and "the data transmission channel of the external data transmission interface is always active").

7. Further observations:

The subject matter of independent claims 1 and 10 is directed to a device and a method, respectively, for controlling authentication in a telecommunications network. The claims attempt to define the subject matter in terms of the result to be achieved, but in





so doing merely state the problem to be solved, offering no technical features that are necessary for the achievement of said result. In consequence, the scope of protection is unclear (PCT Article 6).